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| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.          | CONFIRMATION NO. |
|---|-------------|----------------------|------------------------------|------------------|
| 10/618,235  | 07/11/2003  | Gary A. Ross         | 10651.00                     | 4650             |
| 26889   | 7590        | 03/17/2009           |                              |                  |
| MICHAEL CHAN<br>NCR CORPORATION<br>1700 SOUTH PATTERSON BLVD<br>DAYTON, OH 45479-0001 |             |                      | EXAMINER<br>FELTEN, DANIEL S |                  |
|   |             |                      | ART UNIT                     | PAPER NUMBER     |
|   |             |                      | 3696                         |                  |
|   |             |                      | MAIL DATE                    | DELIVERY MODE    |
|   |             |                      | 03/17/2009 PAPER             |                  |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/618,235

**Applicant(s)**

GARY A ROSS

**Examiner**

DANIEL S. FELTEN

**Art Unit**

3696

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 January 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,2,5,7,8 and 12-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,5,7,8 and 12-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/S508)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

1. Request for Continued Examination filed January 29, 2009 is acknowledged.

***Response to Arguments***

2. Applicant's arguments with respect to claims 1, 2, 5, 7, 8, 12-19 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 9-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. **Re claim 9:** "defacing the substrate...so that the wireless tag *may be* detected."

The term "may be" is indefinite because it does not positively recite that the limitation is performed, but that there is a potential for the tag to be substantially read.

5. **Re claim 12:** The word "means" is preceded by the word(s) "defacing" in an attempt to use a "means" clause to recite a claim element as a means for performing a specified function. However, since no function is specified by the word(s) preceding "means," it is impossible to determine the equivalents of the element, as required by 35 U.S.C. 112, sixth paragraph. See *Ex parte Klumb*, 159 USPQ 694 (Bd. App. 1967).

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1, 2, 5, 7, 8, 13-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Andersen et al (US 2003/0057271) in view of Lee et al (US 2003/0006121)

Andersen discloses an Automated Teller Machine and a method , ATM (500) comprising:

- a) a card reader (502) which accepts a card from a user;
- b) a keypad (508) for accepting a PIN from the user, for identifying the user;
- c) a cash dispenser (510) for dispensing currency;
- d) a media acceptor for receiving sheet media from an identified user of the ATM; and
- e) a wireless tag reader which reads wireless tags contained in received sheet media

(see Andersen, "RFID interrogator," FIG. 5 paragraphs 38-39).

Andersen fails to disclose which sheet media comprise banknotes or bank checks which contain wireless tags

Lee discloses a radio frequency identification (RFID) system to authenticate, identify, and sum currency amounts is described. The inventive device includes (1) a paper-like passive RFID transponder which could be embedded in a currency or used as the currency itself, and

which contains encrypted/non-encrypted electronic bits of data (serial number, currency amounts, etc.) to uniquely identify said currency, (2) a transceiver for wireless interrogation of the transponder, (3) a computer server and/or database management system that is used for currency authentication to a known currency information database. The passive RFID transponder is paper-like, robust, and could be printed as a currency, or embedded in a currency. The transceiver sends an electromagnetic signal, which is picked up by the passive transponder in the currency. The passive RFID transponder in said currency uses the energy of the electromagnetic signal via electromagnetic coupling (backscatter) to transmit its serial number, currency denomination, and other desired encrypted/non-encrypted information back to the transceiver (see Abstract, paragraphs 005-010, 0023+).

It would have been obvious to integrate the RFID into sheet media as described in Lee into Andersen's ATM so as to provide greater security and control over currency productions by supplying a method to track currencies and to prevent or authenticate forgeries, as enunciated in Lee (see at least paragraph 010)

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL S. FELTEN whose telephone number is (571)272-6742. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Dixon can be reached on (571) 272-6803. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Daniel S Felten  
Primary Examiner  
Art Unit 3696

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